

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) ~~Cup-shaped~~ A housing ~~(1)~~ for an electrochemical cell having cells, which have at least a first electrode and a second electrode ~~two electrodes~~ ~~(16, 17),~~ the housing comprising:

~~[[-]] having a lid (5) in which~~ having a first indentation (5B) for contacting a to contact the first electrode; and ~~(16), directed inwards, is formed,~~

~~[[-]] a bottom having wherein~~ a second indentation (10B) for contacting a to contact the second electrode; (17) is formed in the housing bottom (10),

~~[[-]] wherein the first~~ indentation has a first cross-section and the second indentation (5B, 10B) have has a second cross-section, the first cross-section and the second cross-section getting narrower as the first indentation and the second indentation progress into an ~~that narrows into the~~ interior of the housing.

2. (Currently Amended) ~~Housing as recited in the preceding claim~~ The housing of claim 1, [[-]] wherein the first indentation and the second indentation extend in substantially a straight line over ~~the major portion of an expanse direction of the lid and~~ the housing bottom, respectively.

3. (Currently Amended) ~~Housing as recited in one of the preceding claims~~ The housing of claim 1, [[-]] wherein the bottom and the lid are part of separate components
~~the first and the second indentation are formed of a separate component in each instance.~~

4. (Currently Amended) ~~Housing as recited in one of the preceding claims~~ The housing of claim 1, [[-]] wherein the material of the housing and the lid comprises
comprises aluminum or aluminum forging alloys.

5. (Currently Amended) ~~Housing as recited in one of the preceding claims~~ The housing of claim 1, further comprising:

~~[[-]] wherein an electrically insulating component (21) made in one piece is present, which runs circumferentially that is at least partly around the an edge of the lid (5) and that is arranged in sealed manner between the lid (5) and the a wall of the housing (1), for a seal and for electrical insulation.~~

6. (Currently Amended) ~~Housing as recited in one of the preceding claims~~ The housing of claim 5, [[-]] wherein first regions (21A) of the electrically insulating component (21) are arranged circumferentially around a circumference of the lid (5), and outside of the housing an interior of the housing, and have the first regions having a notch; and (21e);

~~[[-]] wherein the an edge (1A) of the housing is turned over towards the housing an interior, circumferentially of the housing around the lid[[, so]] such that the turned-~~

~~over edge is arranged within the notch of the electrically insulating component.~~

7. (Currently Amended) ~~Housing as recited in one of the preceding claims 5 or 6~~
The housing of claim 5, [[-]] wherein the electrically insulating component comprises
rubber.

8. (Currently Amended) ~~Electrochemical cell configured as a capacitor, having a~~
~~cup-shaped housing (1) as recited in one of the preceding claims, having the~~
~~characteristics, A capacitor comprising:~~

a housing comprising:

a lid having a first indentation, the first indentation having a first
cross-section that gets narrower inside the housing; and

a bottom having a second indentation, the second indentation
having a second cross-section that gets narrower inside the housing; and

[[-]] a layer stack that comprises the a first (16) electrode layer and the a second
electrode layer (17), which are formed as electrode layers, is accommodated in the
housing in such a manner that the layer stack having faces of the layer stack lie opposite
that are substantially opposite the lid (5) and the housing bottom; (10);

[[-]] wherein an edge regions of either at least one of the first (16A) or electrode
layer and the second electrode layer (17A), in each instance, project extends out of the
faces a face of the layer stack[[,]] and are turned over is bent at the contact points with at
least one of the first and second indentations (5B, 10B), to enlarge the contact area.

9. (Currently Amended) ~~Electrochemical cell configured as a capacitor, having a~~
~~cup-shaped housing (1) as recited in one of the preceding claims, having the~~
~~characteristics, A capacitor comprising:~~

a housing comprising:

a lid having a first indentation, the first indentation having a first
cross-section that gets narrower inside the housing;

a bottom having a second indentation, the second indentation
having a second cross-section that gets narrower inside the housing; and

an electrically insulating component that is around the lid;

[[-]] ~~a layer stack that comprises the~~ comprising alternating electrode layers
including a first (16) electrode layer and the a second electrode layer (17), formed as
alternating electrode layers, is accommodated in the layer stack being disposed inside the
housing such a manner that the faces of the layer stack formed by the outer edges of the
electrode layers lie are substantially opposite the lid (5) and the housing bottom; (10),

[[-]] wherein an edge regions of either at least one of the first (16A) electrode
layer or and the second electrode layer (17A), in each instance, project extends out of the
faces a face of the layer stack[[,]] and are turned over is bent at the contact points with at
least one of the first and second indentations; and (5B, 10B), to enlarge the contact area,

[[-]] wherein second regions (21B) of the electrically insulating component (21)
are present in the interior of are inside the housing and are arranged between the a wall of
the housing and the turned-over edge regions a bent edge of the first electrode layer

(16A) or the second electrode layer (17A), ~~for electrical insulation.~~

10. (Currently Amended) The capacitor of claim 9 as recited in the preceding claim, [[-]] wherein the contact points between at least one of the first and second indentations and the alternating electrode layers are welded.

11. (Currently Amended) The capacitor of claim 10 as recited in the preceding claim, [[-]] wherein the contact points are laser-welded.

12. (Currently Amended) The capacitor of claim 9 as recited in one of claims 8 to 11, [[-]] wherein the layer stack is rolled up into to produce a capacitor winding.

13. (New) The capacitor of claim 9, wherein second regions of the electrically insulating component are arranged around a circumference of the lid and outside of an interior of the housing, the first regions having a notch; and

wherein an edge of the housing is turned towards an interior of the housing around the lid such that the edge is within the notch.

14. (New) The capacitor of claim 9, wherein the electrically insulating component comprises rubber.

15. (New) The capacitor of claim 9, wherein the first indentation and the second

indentation extend in substantially a straight line over the lid and the bottom,
respectively.

16. (New) The capacitor of claim 9, wherein the bottom and the lid are part of
separate components.

17. (New) The capacitor of claim 9, wherein the housing comprises aluminum or
aluminum forging alloys.

18. (New) The capacitor of claim 8, wherein contact points between at least one
of the first and second indentations and a corresponding electrode layer are welded.

19. (New) The capacitor of claim 8, wherein the layer stack is rolled to produce
a capacitor winding.

20. (New) The capacitor of claim 8, wherein the housing further comprises:
an electrically insulating component that is at least partly around an edge of the
lid.